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1	I i	"5291804"		

4	3	5921885.URPN.	USPAT	2004/07/29 12:20
7	169	701/62.ccls.	USPAT;	2004/07/29 12:29
			US-PGPUB	
•8	52	701/62.ccls. and ignition	USPAT;	2004/07/29 12:29
			US-PGPUB	
9	0	701/62.ccls. and ignition with control adj2 valve	USPAT;	2004/07/29 12:30
	_	.	US-PGPUB	
10	8	701/62.ccls. and ignition with valve	USPAT;	2004/07/29 12:30
.0	٠	701702.0013. and ignition with valve	US-PGPUB	2004/01/25 12.50
13	o	(/ahnarmalih.ar malfunation as defeative as failus) with (data at a		0004/07/00 40-00
13	0	((abnormality or malfunction or defective or failure) with (detect or	JPO	2004/07/29 12:33
44		detecting or detector) same ignition adj switch same hydraulic)		
14	1	((abnormality or malfunction or defective or failure) same (detect	JPO	2004/07/29 12:34
	_ 1	or detecting or detector) same ignition adj switch same hydraulic)		
15	6	((abnormality or malfunction or defective or failure) same ignition	JPO	2004/07/29 13:05
	7	adj switch same hydraulic)		
16	4	((abnormality or malfunction or defective or failure) same ignition	US-PGPUB	2004/07/29 12:36
		adj switch same hydraulic)		
17	43	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:36
		adj switch same hydraulic)	US-PGPUB	
18	1	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:39
'-	•	adj switch same hydraulic) same continued	US-PGPUB	2007101120 12.00
19	1	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:39
'	•	adj switch same hydraulic) same continued	US-PGPUB:	2004/01/29 12:39
		adj switch same nydradiic) same continued		
			EPO; JPO;	
			DERWENT	
20	0	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:40
		adj switch same hydraulic) same continued near5 power	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
21	0	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:40
		adj switch same hydraulic) same electromagnet\$4 near5 power	US-PGPUB;	
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT	
22	28383	electromagnet\$4 near5 power	USPAT;	2004/07/29 12:40
	20000	Clockernagher heard power	US-PGPUB;	2004/01/23 12.40
			EPO; JPO;	
23	1906	alastromagnet©4 magnE never with value	DERWENT	0004/07/00 40 40
23	1906	electromagnet\$4 near5 power with valve	USPAT;	2004/07/29 12:40
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
24	53	electromagnet\$4 near5 power with valve same ignition	USPAT;	2004/07/29 12:42
•			US-PGPUB;	
			EPO; JPO;	
1			DERWENT	
25	1	4973855.pn. and ignition	USPAT;	2004/07/29 13:00
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
26	1	4973855.pn. and ignition same "off"	USPAT;	2004/07/29 13:03
	· '		US-PGPUB;	2007/01/28 13.03
			EPO; JPO;	
27	20020	ignition come "off"	DERWENT	0004/07/00 :0 :5
27	29829	ignition same "off"	USPAT;	2004/07/29 13:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
28	20447	ignition with "off"	USPAT;	2004/07/29 13:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
29	1091	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:04
		adj2 valve	US-PGPUB;	200 1/01/20 10:04
			EPO; JPO;	
			DERWENT	
		I and the second se		l .

30	86	ignition with "off" same (solenoid or electromagnet\$ or control)	LICDAT	2004/07/20 42-04
30	00		USPAT;	2004/07/29 13:04
•		adj2 valve same hydraulic	US-PGPUB;	
			EPO; JPO;	
•			DERWENT	
31	86	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:05
		adj2 valve same hydraulic	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
32	3	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:08
		adj2 valve same hydraulic same ((abnormality or malfunction or	US-PGPUB;	
		defective or failure) same ignition adj switch same hydraulic)	EPO: JPO:	
		, ,	DERWENT	
33	4	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:09
		adj2 valve same hydraulic same (abnormality or malfunction or	US-PGPUB;	
		defective or failure) same ignition	EPO: JPO:	
			DERWENT	

	149	("5921885"	USPAT;	2004/07/29 12:0
		" 5799748"	US-PGPUB	
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1 111 1	7/29/04	149928749 Page 5		
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-	427	sugimura.in.	USPAT;	2004/07/28 13:28
			US-PGPUB	
- '	10436	sugimura.in. or toyota.asn.	USPAT;	2004/07/29 10:52
•			US-PGPUB	
-	15909	ignition near3 switch	USPAT;	2004/07/28 13:10
1			US-PGPUB	

	29 (("5921885"	LICDAT	2004/07/20 42-2
	"5799748"	USPAT; US-PGPUB	2004/07/28 13:2
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-	42715	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:36
		detecting or detector)	US-PGPUB	
- '	0	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:12
F		detecting or detector) same On near3 off same ignition	US-PGPUB	
-	0	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:12
		detecting or detector) same "On" near3 "off" same ignition	US-PGPUB	
-	146	(abnormality or malfunction or defective or failure) with (detect or	USPAT:	2004/07/28 13:45
		detecting or detector) same ignition adj switch	US-PGPUB	

,	0 ((abnormality or malfunction or defective or failure) with (detect or detecting or detector) same ignition adj switch same hydraulic) and (("5921885"	
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-	4	((abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/29 12:33
•	1	detecting or detector) same ignition adj switch same hydraulic)	US-PGPUB	
, ,		and (sugimura.in. or toyota.asn.)		
4 -	8	(westername) of themenously of delection	USPAT:	2004/07/28 13:16
		detecting or detector) same ignition adj switch same hydraulic	US-PGPUB	
-	1	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:18
		detecting or detector) same ignition adj switch near6 "turned off"	US-PGPUB	
1		same hydraulic		
-	11	ignition adj switch near6 "turned off" with power near4	USPAT;	2004/07/28 13:19
		continues!	US-PGPUB	
-	15	ignition adj switch near6 ("turned off" or turned near5 "off" or	USPAT;	2004/07/28 13:20
		turned) with power near4 continues!	US-PGPUB:	
			EPO; JPO;	
			DERWENT	

-	17	(("5921885"	USPAT;	2004/07/28 13:22
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_	10	(("5921885"	LICDAT	0004/07/00 40 00
		"5799748"	USPAT;	2004/07/28 13:23
•			US-PGPUB	ŧ
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-	0	abnormality adj detecting same hydraulic same electromagnet\$	USPAT:	2004/07/28 13:24
		adj valve	US-PGPUB	2004/01/20 13:24
	1	abnormality adj detect\$4 same hydraulic same electromagnet\$	USPAT;	2004/07/28 13:24
Ĭ .		adj valve	US-PGPUB	
-	125	electromagnet\$ adj valve same ignition adj switch	USPAT;	2004/07/28 13:25
	_		US-PGPUB	
-	8	electromagnet\$.clm. adj valve.clm. same ignition.clm. adj	USPAT;	2004/07/28 13:25
	<u></u>	switch.clm.	US-PGPUB	

8	((("5921885"	USPAT;	2004/07/28 13:27
•	"5799748"	US-PGPUB	2004/07/20 13.27
10	"4846021"		
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-	146935	sugimura.in. or toyota.asn.	USPAT; US-PGPUB;	2004/07/28 13:29
30			EPO; JPO;	
Y .	1404		DERWENT	
-	1431	(sugimura.in. or toyota.asn.) and ignition adj switch	USPAT;	2004/07/28 13:29
İ			US-PGPUB;	
			EPO; JPO;	
-	29	(sugimura.in. or toyota.asn.) and ignition adj switch same	DERWENT USPAT;	2004/07/28 13:31
		hydraulic adj pressure	US-PGPUB;	2004/01/20 13.31
			EPO; JPO;	
			DERWENT	
-	3	ignition adj switch same hydraulic adj pressure same (fail or	USPAT;	2004/07/28 13:33
		failure or malfunction or defect\$4 or abnormal\$4) same (detect\$ or recogniz\$4) same valve	US-PGPUB;	
		1 1000gill244) Suille Valve	EPO; JPO; DERWENT	
-	5	(sugimura.in. or toyota.asn.) and ignition adj switch same	USPAT:	2004/07/28 13:35
		hydraulic adj pressure same (fail or failure or malfunction or	US-PGPUB;	2004/07/20 15:55
		defect\$4 or abnormal\$4) same (detect\$ or recogniz\$4)	EPO; JPO;	
1_	572	(abnormality or malf mating and of the control of t	DERWENT	
	372	(abnormality or malfunction or defective or failure) with (detect or detecting or detector) same hydraulic	USPAT;	2004/07/28 13:37
-	61	((abnormality or malfunction or defective or failure) with (detect or	US-PGPUB USPAT;	2004/07/28 13:38
		detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	2004/01/20 13:30
		toyota.asn.)	0.05	
-	45		USPAT;	2004/07/28 13:54
		or detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	
		toyota.asn.)) and (477/\$.ccls. or 475/\$.ccls. or 192/\$.ccls. or 303/\$.ccls. or 74/\$.ccls. or 73/\$.ccls. or 701/\$.ccls.)		
-	0	((((abnormality or malfunction or defective or failure) with (detect	USPAT:	2004/07/28 13:43
		or detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	2004/07/20 13:43
		toyota.asn.)) and (477/\$.ccls. or 475/\$.ccls. or 192/\$.ccls. or	1	
:		303/\$.ccls. or 74/\$.ccls. or 73/\$.ccls. or 701/\$.ccls.)) and		
_	0	electromagnetic adj control adj valve		
		(abnormality or malfunction or defective or failure) with (detect or detecting or detector) same ignition adj switch same	USPAT;	2004/07/28 13:45
		electromagnetic adj control adj valve	US-PGPUB	
-	0	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:46
		detecting or detector) same electromagnetic adj control adj valve	US-PGPUB	
-	0	(abnormality or malfunction or defective or failure) same (detect	USPAT;	2004/07/28 13:48
1		or detecting or detector) same electromagnetic adj control adj valve	US-PGPUB	
-	21	(((abnormality or malfunction or defective or failure) with (detect	USPAT;	2004/07/20 42-55
		or detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	2004/07/28 13:55
		toyota.asn.)) and (477/\$.ccls. or 475/\$.ccls. or 192/\$.ccls. or	00 / 0. 02	
_	146044	74/\$.ccls. or 73/\$.ccls. or 701/\$.ccls.)		
-	146941	sugimura.in. or toyota.asn.	USPAT;	2004/07/29 10:52
			US-PGPUB;	
			EPO; JPO; DERWENT	
-	106	(sugimura.in. or toyota.asn.) and automatic adj transmission	USPAT;	2004/07/29 10:59
		same (solenoid or electromagnet\$4) with control adj valve	US-PGPUB;	=== 10.00
			EPO; JPO;	
_	1	(sugimura.in. or toyota.asn.) and automatic adj transmission	DERWENT	000 4/0 - /
	'	same (solenoid or electromagnet\$4) with control adj valve same	USPAT; US-PGPUB;	2004/07/29 10:58
		hydraulic adj2 pressure with (defect\$4 or malfunction or	EPO; JPO;	
	_ , .	abnormal\$4 or fail\$4)	DERWENT	
-	21	automatic adj transmission same (solenoid or electromagnet\$4)	USPAT;	2004/07/29 10:58
		with control adj valve same hydraulic adj2 pressure with (defect\$4	US-PGPUB;	
		or malfunction or abnormal\$4 or fail\$4)	EPO; JPO;	
-	0	automatic adj transmission same (solenoid or electromagnet\$4)	DERWENT USPAT;	2004/07/20 40:50
		with control adj valve same hydraulic adj2 pressure with (defect\$4	US-PGPUB:	2004/07/29 10:59
		or malfunction or abnormal\$4 or fail\$4) same ignition	EPO; JPO;	
L			DERWENT	

-	0	automatic adj transmission same (solenoid or electromagnet\$4)	USPAT;	2004/07/29 10:59
•		with control adj valve same hydraulic adj2 pressure with (defect\$4	US-PGPUB;	
W 4.		or malfunction or abnormal\$4 or fail\$4) and ignition	EPO; JPO;	
			DERWENT	
-	201276	ignition	USPAT;	2004/07/29 10:59
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	4	(559	USPAT;	2004/07/29 11:00
		same (solenoid or electromagnet\$4) with control adj valve same	US-PGPUB;	
		ignition	EPO; JPO;	
	40000	477/0	DERWENT	
-	12320	477/\$.ccls.	USPAT;	2004/07/29 11:09
		477/0	US-PGPUB	
-	59	477/\$.ccls. and ((sugimura.in. or toyota.asn.) and automatic adj	USPAT;	2004/07/29 11:10
		transmission same (solenoid or electromagnet\$4) with control adj	US-PGPUB	
	ا ا	valve)		
_	3	Triboologiand ((Sugindra.ii). Or toyota.asii.) and adjoinalic	USPAT;	2004/07/29 11:10
		adj transmission same (solenoid or electromagnet\$4) with control	US-PGPUB	
L		adj valve)		

Butler, Douglas

From:

PLUS

Sent:

Monday, July 12, 2004 12:25 PM

To:

Butler, Douglas

Subject:

PLUS Results for 10826378

Here are the PLUS search results for 10826378.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10826378_LIST.txt



10826378_EAST.txt







10826378 WDS.txt

PLUS Search Results for S/N 10826378, Searched July 12, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10826378_EAST

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10826378_EAST

10826378_CLS Most Frequently Occurring Classifications of Patents Returned From A Search of 10826378 on July 12, 2004

Original Classifications 6 180/422 477/125 3 74/335 192/3.58 3 477/154 3 3 477/155 2 74/336R 2 180/414 2 192/106F 2 241/36 2 474/28 2 475/127 2 475/129 477/107 2 2 477/114 477/123 477/133 477/99 Cross-Reference Classifications 11 477/906 477/155 180/247 192/3.58 3 74/335 3 192/3.31 3 475/128 3 477/131 3 477/138 3 477/158 3 477/160 3 701/52 2 60/406 2 60/581 2 74/388PS 2 123/90.15 2 137/625.64 2 180/272 2 192/109F 2 192/222 2 192/30W 2 192/48.91 2 192/85R 2 192/87.16 303/122.12 2 2 303/71 303/9.61 2 2 417/310 475/123 475/132 475/60 475/61 2 477/117 477/149

- 477/154 2 2 477/36
- 2 701/66

Combined Classifications

- 11 477/906
- 477/155
- 7 180/422
- 7 192/3.58
- 74/335 6
- 477/125 5
- 5 477/154
- 4 180/247
- 192/3.31
- 4 477/131
- 477/138 4
- 3 74/336R
- 3 123/90.15
- 3 474/28
- 3 475/128
- 475/129
- 477/149
- 3 477/158
- 3 477/160
- 3 701/52
- 2 60/406
- 2 60/547.1
- 2 60/581
- 2 74/388PS
- 2 74/733.1
- 2 123/90.17
- 2 137/625.64
- 2 180/233
- 2 180/272
- 2 180/414
- 2 192/106F
- 2 192/109F
- 2 192/222
- 2 192/3.57 2
- 192/30W 2 192/48.91
- 2 192/85AA
- 2 192/85R
- 2 192/87.16
- 2 241/36
- 2 303/113.2
- 2 303/122.12
- 2 303/71
- 2 303/9.61
- 2 417/310
- 417/38
- 474/18
- 2 475/123
- 2 475/127
- 2 475/132
- 2 475/60 2 475/61
- 2 475/65
- 477/107

10826378_CLS

2 477/114 2 477/116 2 477/117 2 477/123 2 477/126 2 477/129 2 477/133 2 477/152 2 477/36 2 477/62 477/98 2 477/99 2 701/65 2 701/66

10826378_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10826378 on July 12, 2004

11		OR, 11 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL MEANS DETECTING OR AMELIORATING THE EFFECTS OF MALFUNCTION OR POTENTIAL MALFUNCTION
9	477/155 (3 Class 477 477/34 477/115 477/121 477/143 477/155	OR, 6 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingElectric valve control
7		OR, 1 XR) : MOTOR VEHICLES STEERING GEAR .With fluid power assistWith condition modulated steeringWith electrical control
7	192/3.58 (3 Class 192 192/3.51 192/3.54 192/3.55 192/3.57 192/3.58	OR, 4 XR) : CLUTCHES AND POWER-STOP CONTROL TRANSMISSION CONTROL AND CLUTCH CONTROL .Common controlPower-operated clutchFluid-press operatedElectrically triggered
6	74/335 (3 Class 074 74/640 74/325 74/335	OR, 3 XR) : MACHINE ELEMENT OR MECHANISM GEARING .Interchangeably lockedControl mechanism
5	477/125 (4 Class 477 477/34 477/115 477/121	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlPrevents unsafe or unintentional shift
5	477/154 (3 Class 477 477/34 477/115 477/121 477/143 477/154	OR, 2 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingSpeed responsive control

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180/247
                  (0 OR, 4 XR)
                180 : MOTOR VEHICLES
        Class
        180/233
                      HAVING FOUR WHEELS DRIVEN
        180/247
                       .With manually operated means for disengaging
                          drive to one or more, but fewer than all, of the four
                          wheels
  192/3.31
                  (1 OR, 3 XR)
                192 : CLUTCHES AND POWER-STOP CONTROL
        Class
        192/3.21
                      VORTEX-FLOW DRIVE AND CLUTCH
        192/3.28
                       .Including drive-lockup clutch
        192/3.31
                       .. Having speed-responsive operator
  477/131
                  (1 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                       .Transmission controlled by engine
        477/121
                       .. By input manifold pressure or engine fuel
                            control
        477/127
                       ... Shift valve control
        477/130
                      ....Plural shift valves
        477/131
                      .....Electric control
4 477/138
                 (1 OR, 3 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                       .. By input manifold pressure or engine fuel
                           control
        477/127
                      ...Shift valve control
        477/138
                      ....Electric control
3
    74/336R
                 (2 OR; 1 XR)
                074 : MACHINE ELEMENT OR MECHANISM
        Class
        74/640
                      GEARING
        74/325
                      .Interchangeably locked
                      .. Combined gear and clutch
        74/333
        74/334
                      ...Preselector
        74/336R
                      ....Speed responsive
3 123/90.15
                 (1 OR, 2 XR)
        Class
                123 : INTERNAL-COMBUSTION ENGINES
        123/90.1
                      POPPET VALVE OPERATING MECHANISM
        123/90.15
                      .With means for varying timing
3 474/28
                 (2 OR, 1 XR)
        Class
                474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR
                        COMPONENTS
        474/8
                      PULLEY WITH BELT-RECEIVING GROOVE FORMED BY
                          DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL
                          CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC.)
        474/28
                      .Fluid pressure actuator for adjustment of
                         member
3 475/128
                 (0 OR, 3 XR)
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10826378 CLSTITLES 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR Class COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/127 ..Pressure regulation 475/128 ... Valving controls shift timing 3 475/129 (2 OR, 1 XR) 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR Class COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/127 .. Pressure regulation 475/128 ... Valving controls shift timing 475/129With fluid accumulator 3 477/149 (1 OR, 2 XR) Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/143 ... Servo motor timing 477/144Downshift 477/149Electric valve control 3 477/158 (0 OR, 3 XR) 477 : INTERRELATED POWER DELIVERY CONTROLS, Class INCLUDING ENGINE CONTROL TRANSMISSION CONTROL 477/34 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/156 ...Transmission pressure controlled 477/158Line pressure controlled 3 477/160 (0 OR, 3 XR) 477 : INTERRELATED POWER DELIVERY CONTROLS, Class INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL .Transmission controlled by engine 477/115 477/121 .. By input manifold pressure or engine fuel control ...Transmission pressure controlled 477/156 477/158Line pressure controlled 477/159Responsive to speed 477/160Electric valve control 3 701/52 (0 OR, 3 XR) 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND Class RELATIVE LOCATION

60/406 (0 OR, 2 XR)

701/1

701/51

701/52

between automatic and manual)

INDICATION

.Transmission control

VEHICLE CONTROL, GUIDANCE, OPERATION, OR

.. Semiautomatic control (e.g., switchable

Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/403 .Apparatus having means responsive to or ameliorating the effects of breakage, plugging, mechanic al failure or power failure 60/406 ..Output means locked, positioned or released on failure of motive fluid supply means 2 60/547.1 (1 OR, 1 XR) 060 : POWER PLANTS Class 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/547.1 .. With control of or by a separate power fluid, etc. 60/581 (0 OR, 2 XR) Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/581 ...Plural structurally related master pistons, cylinders or pulsator circuits 74/388PS (0 OR, 2 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/388R .Follow-up mechanism 74/388PS .. Power steering 74/733.1 (1 OR, 1 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/730.1 .With fluid drive .. With one or more controllers for gearing, 74/732.1 fluid drive, or clutch 74/733.1 ...With interrelated controls 2 123/90.17 (1 OR, 1 XR) Class 123 : INTERNAL-COMBUSTION ENGINES 123/90.1 POPPET VALVE OPERATING MECHANISM .With means for varying timing 123/90.15 123/90.17 .. Camshaft or cam characteristics 2 137/625.64 (0 OR, 2 XR) Class 137 : FLUID HANDLING 137/561R SYSTEMS 137/625 .Multi-way valve unit 137/625.2 ..Supply and exhaust 137/625.6 ...Pilot-actuated 137/625.64Electric (1 OR, 1 XR) 2 180/233 180 : MOTOR VEHICLES Class 180/233 HAVING FOUR WHEELS DRIVEN 2 180/272 (0 OR, 2 XR) Class 180 : MOTOR VEHICLES 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, ITS

OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT

180/272 .Responsive to absence or inattention of operator, or negatively reactive to attempt to operate vehicle by person not qualified mentally or physically to 2 180/414 (2 OR, 0 XR) 180 : MOTOR VEHICLES Class STEERING GEAR 180/400 180/408 .Each wheel steerable 180/414 ..With fluid power assist 2 192/106F (2 OR, 0 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/82R .Operators 192/103R .. Speed responsive 192/106R ...Release 192/106FDevices to prevent fluid clutches from being operated by centrifugal forces acting on fluid 192/109F (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/109R .Thrust members, retarders, and stops 192/109F ..Cushioning devices for fluid operators 2 192/222 (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL TRANSMISSION AND BRAKE 192/215 192/218 .Motor vehicle 192/222 .. Electromagnetic 2 192/3.57 (1 OR, 1 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class TRANSMISSION CONTROL AND CLUTCH CONTROL 192/3.51 192/3.54 .Common control 192/3.55 .. Power-operated clutch 192/3.57 ...Fluid-press operated 2 192/30W (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/30W .Warning, indicating, and signal devices 2 192/48.91 (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/48.1 .Plural clutch-assemblage 192/48.8 .. Associated with three or more shafts 192/48.9 ... Alternatively operative assemblages 192/48.91 Having common clutch-element support 192/85AA (1 OR, 1 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/82R .Operators 192/85R ..Fluid pressure 192/85AA ... Axially engaging clamping rotating motor and clutch

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192/85R
                (0 OR, 2 XR)
        Class 192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                     .Operators
        192/85R
                     ..Fluid pressure
  192/87.16
                (0 OR, 2 XR)
        Class 192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                     .Operators
                     ..Fluid pressure
        192/85R
        192/87.1
                      ...Multiple clutches
                      ....Alternatively operative clutches
        192/87.14
        192/87.15
                      .....Clutches coaxial with operators
        192/87.16
                      .....Common or interconnected operator(s)
2 241/36
                 (2 OR, 0 XR)
                241 : SOLID MATERIAL COMMINUTION OR DISINTEGRATION
        Class
        241/33
                      .With automatic control
                      ..Of comminutor drive
        241/36
  303/113.2
                 (1 OR, 1 XR)
        Class
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        303/121
                     SPEED-CONTROLLED
        303/113.1
                      .Having a valve system responsive to a wheel
                          lock signal
        303/113.2
                      ..With traction control
  303/122.12
                (0 OR, 2 XR)
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
       Class
        303/121
                     SPEED-CONTROLLED
        303/122
                     .With failure responsive means
        303/122.09
                     ..Pressure failure
        303/122.12
                     ...Pump failure detection
2 303/71
                (0 OR, 2 XR)
        Class
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        303/50
                     MOTORMAN'S VALVES
        303/68
                     .Motor
        303/71
                      .. Fluid-pressure retracting
2 303/9.61
                 (0 OR, 2 XR)
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
       Class
                     MULTIPLE FLUID-RECEIVING DEVICES
        303/5
        303/6.01
                     .Multiple motors
                      .. Separate and simultaneous control
       303/9.61
2 417/310
                 (0 OR, 2 XR)
       Class
               417 : PUMPS
       417/279
                     WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL
       417/307
                     .Pressure responsive relief or bypass valve
       417/310
                     .. Rotary expansible chamber pump
2 417/38
                (1 OR, 1 XR)
       Class
               417 : PUMPS
       417/1
                     CONDITION RESPONSIVE CONTROL OF PUMP DRIVE
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10826378_CLSTITLES MOTOR 417/36 .Responsive to accumulation of pumped liquid in receiver 417/38 .. By liquid pressure sensor 2 474/18 (1 OR, 1 XR) Class 474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS 474/8 PULLEY WITH BELT-RECEIVING GROOVE FORMED BY DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC. 474/17 .Load responsive 474/18 ..With actuator driven by electrical or fluid motor (0 OR, 2 XR) 2' 475/123 Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/118 .. Speed responsive control 475/121 ...Ratio change 475/122 Speed responsive valve control 475/123Electrical control 2 475/127 (2 OR, 0 XR) Class . 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/127 .. Pressure regulation 2 475/132 (0 OR, 2 XR) Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/131 ..Manually actuated ratio selector 475/132 ...Electrical 2 475/60 (0 OR, 2 XR) 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR Class COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/59 .Impeller-turbine type fluid circuit in series with planetary gearing 475/60 ..And condition responsive control

2 475/61 (0 OR, 2 XR)

)

Class 475: PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS

475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
475/59 Impeller-turbine type fluid circuit in series
with planetary gearing

475/60 ...And condition responsive control 475/61 ...Control of or by fluid circuit

2 475/65 (1 OR, 1 XR)

	Class	475	10826378_CLSTITLES : PLANETARY GEAR TRANSMISSION SYSTEMS OR
	475/31 475/59		COMPONENTS FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Impeller-turbine type fluid circuit in series
	475/60 475/61 475/64 475/65		with planetary gearingAnd condițion responsive controlControl of or by fluid circuitFluid circuit controlledBy lock-up clutch actuation
2	477/107	477	
	477/107		.Engine controlled by transmission
2	477/114 Class 477/34 477/114	477	OR, 0 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Anticreep
2	477/116 Class 477/34 477/115 477/116	477	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engineShift from neutral shock control
2	477/117 Class 477/34 477/115 477/116 477/117	477	OR, 2 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .Shift from neutral shock controlPressure controlled
2	477/123 Class 477/34 477/115 477/121	(2 477	INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine By input manifold pressure or engine fuel control
		4.5	With positive shift means
2	477/126 Class 477/34 477/115 477/121 477/125 477/126	(1 477	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlPrevents unsafe or unintentional shiftReverse inhibitor

(1 OR, 1 XR)
ss 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
Page 8

2 477/129 Class

	477/34 477/115 477/121 477/127 477/128 477/129		10826378_CLSTITLES TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel
2	477/133 Class 477/34 477/115 477/121 477/127 477/130 477/131 477/132 477/133	477	
2	477/152 Class 477/34 477/115 477/121 477/143 477/150 477/152	477	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingWith fluid accumulatorElectric valve control
2	477/36 Class 477/34 477/36	477	OR, 2 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Plural outputs
2	477/62 Class 477/34 477/52 477/53 477/62		OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Including fluid driveImpeller-turbine-typeWith clutch control
2	477/98 Class 477/34 477/97	(1 477	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Control by sensed ambient condition, pattern indicia, external signal, or temperatureTemperature control
2	477/99 Class 477/34 477/99	(2 477	OR, 0 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Engine starting interlock

2	701/65	(1 OR, 1 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR
		INDICATION
	701/51	.Transmission control
	701/65	Responsive to road, external, or ambient
		condition
2	701/66	(0 OR, 2 XR)
2	•	(0 OR, 2 XR) 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	Class	·
2	•	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
2	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	Class	701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR
2	Class 701/1	701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION

10826378_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10826378 on July 12, 2004

11		OR, 11 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL MEANS DETECTING OR AMELIORATING THE EFFECTS OF MALFUNCTION OR POTENTIAL MALFUNCTION
9	477/155 (3 Class 477 477/34 477/115 477/121 477/143 477/155	OR, 6 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingElectric valve control
7	180/400 180/417	<pre>: MOTOR VEHICLES STEERING GEAR .With fluid power assistWith condition modulated steering</pre>
7	192/3.58 (3 Class 192 192/3.51 192/3.54 192/3.55 192/3.57 192/3.58	: CLUTCHES AND POWER-STOP CONTROL TRANSMISSION CONTROL AND CLUTCH CONTROL .Common controlPower-operated clutchFluid-press operated
6	74/335 (3 Class 074 74/640 74/325 74/335	OR, 3 XR) : MACHINE ELEMENT OR MECHANISM GEARING .Interchangeably lockedControl mechanism
5	477/125 (4 Class 477 477/34 477/115 477/121 477/125	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlPrevents unsafe or unintentional shift
5	477/154 (3 Class 477 477/34 477/115 477/121 477/143 477/154	OR, 2 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingSpeed responsive control

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180/247
                 (0 OR, 4 XR)
        Class
                180 : MOTOR VEHICLES
        180/233
                      HAVING FOUR WHEELS DRIVEN
        180/247
                      .With manually operated means for disengaging
                         drive to one or more, but fewer than all, of the four
                         wheels
  192/3.31
                 (1 OR, 3 XR)
                192 : CLUTCHES AND POWER-STOP CONTROL
        Class
        192/3.21
                     VORTEX-FLOW DRIVE AND CLUTCH
        192/3.28
                      .Including drive-lockup clutch
        192/3.31
                      .. Having speed-responsive operator
  477/131
                 (1 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS.
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                            control
                      ...Shift valve control
        477/127
        477/130
                      ....Plural shift valves
        477/131
                      .....Electric control
4 477/138
                 (1 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                           control
        477/127
                      ...Shift valve control
                      ....Electric control
        477/138
    74/336R
                 (2 OR, 1 XR)
                074 : MACHINE ELEMENT OR MECHANISM
        Class
        74/640
                      GEARING
        74/325
                      .Interchangeably locked
        74/333
                      .. Combined gear and clutch
        74/334
                      ...Preselector
        74/336R
                      ....Speed responsive
  123/90.15
                 (1 OR, 2 XR)
              123 : INTERNAL-COMBUSTION ENGINES
        Class
        123/90.1
                     POPPET VALVE OPERATING MECHANISM
        123/90.15
                      .With means for varying timing
  474/28
                 (2 OR, 1 XR)
                474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR
        Class
                        COMPONENTS
        474/8
                      PULLEY WITH BELT-RECEIVING GROOVE FORMED BY
                          DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL
                          CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC.)
        474/28
                      .Fluid pressure actuator for adjustment of
                         member
3 475/128
                 (0 OR, 3 XR)
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10826378 CLSTITLES
        Class
                475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
                        COMPONENTS
        475/31
                      FLUID DRIVE OR CONTROL OF PLANETARY GEARING
        475/116
                      .Fluid controlled mechanical clutch or brake
        475/127
                      .. Pressure regulation
        475/128
                      ... Valving controls shift timing
3 475/129
                 (2 OR, 1 XR)
                475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
        Class
                        COMPONENTS
                      FLUID DRIVE OR CONTROL OF PLANETARY GEARING
        475/31
        475/116
                      .Fluid controlled mechanical clutch or brake
        475/127
                      .. Pressure regulation
        475/128
                      ... Valving controls shift timing
        475/129
                      ....With fluid accumulator
                 (1 OR, 2 XR)
  477/149
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                            control
        477/143
                      ...Servo motor timing
        477/144
                      ....Downshift
        477/149
                      .....Electric valve control
3 477/158
                 (0 OR, 3 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
                      .Transmission controlled by engine
        477/115
        477/121
                      .. By input manifold pressure or engine fuel
                           control
        477/156
                      ...Transmission pressure controlled
        477/158
                      ....Line pressure controlled
3 477/160
                 (0 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                             control
        477/156
                      ...Transmission pressure controlled
        477/158
                      ....Line pressure controlled
        477/159
                      .....Responsive to speed
        477/160
                      .....Electric valve control
                 (0 OR, 3 XR)
3 701/52
        Class
                701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
                        RELATIVE LOCATION
        701/1
                      VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                           INDICATION
        701/51
                      .Transmission control
                      .. Semiautomatic control (e.g., switchable
        701/52
                         between automatic and manual)
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60/406

(0 OR, 2 XR)

10826378 CLSTITLES 060 : POWER PLANTS Class 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/403 .Apparatus having means responsive to or ameliorating the effects of breakage, plugging, mechanic al failure or power failure 60/406 ..Output means locked, positioned or released on failure of motive fluid supply means 2 60/547.1 (1 OR, 1 XR) 060 : POWER PLANTS Class 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/547.1 .. With control of or by a separate power fluid, etc. 2 60/581 (0 OR, 2 XR) Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/581 ..Plural structurally related master pistons, cylinders or pulsator circuits 74/388PS (0 OR, 2 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/388R .Follow-up mechanism 74/388PS .. Power steering 2 74/733.1 (1 OR, 1 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/730.1 .With fluid drive .. With one or more controllers for gearing, 74/732.1 fluid drive, or clutch 74/733.1 ...With interrelated controls 2 123/90.17 (1 OR, 1 XR) Class 123 : INTERNAL-COMBUSTION ENGINES 123/90.1 POPPET VALVE OPERATING MECHANISM 123/90.15 .With means for varying timing 123/90.17 .. Camshaft or cam characteristics 2 137/625.64 (0 OR, 2 XR) 137 : FLUID HANDLING Class 137/561R SYSTEMS 137/625 .Multi-way valve unit 137/625.2 ..Supply and exhaust 137/625.6 ...Pilot-actuated 137/625.64Electric 2 180/233 (1 OR, 1 XR) Class 180 : MOTOR VEHICLES HAVING FOUR WHEELS DRIVEN 180/233 2 180/272 (0 OR, 2 XR) Class 180 : MOTOR VEHICLES 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, ITS

OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT

180/272 .Responsive to absence or inattention of operator, or negatively reactive to attempt to operate vehicle by person not qualified mentally or physically to (2 OR, 0 XR) 180 : MOTOR VEHICLES 180/414 Class 180/400 STEERING GEAR 180/408 .Each wheel steerable 180/414 ..With fluid power assist 2 192/106F (2 OR, 0 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/82R .Operators 192/103R .. Speed responsive 192/106R ...Release 192/106FDevices to prevent fluid clutches from being operated by centrifugal forces acting on fluid 192/109F (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/109R .Thrust members, retarders, and stops 192/109F .. Cushioning devices for fluid operators 192/222 (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL TRANSMISSION AND BRAKE 192/215 192/218 .Motor vehicle 192/222 .. Electromagnetic 192/3.57 (1 OR, 1 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/3.51 TRANSMISSION CONTROL AND CLUTCH CONTROL 192/3.54 .Common control 192/3.55 .. Power-operated clutch 192/3.57 ...Fluid-press operated 192/30W (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/30W .Warning, indicating, and signal devices 192/48.91 (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/48.1 .Plural clutch-assemblage 192/48.8 .. Associated with three or more shafts 192/48.9 ... Alternatively operative assemblages 192/48.91 Having common clutch-element support 192/85AA (1 OR, 1 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL CLUTCHES 192/30R 192/82R .Operators 192/85R ..Fluid pressure 192/85AA ... Axially engaging clamping rotating motor and clutch

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2 192/85R
                 (0 OR, 2 XR)
       Class
               192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                      .Operators
        192/85R
                      ..Fluid pressure
2 192/87.16
                 (0 OR, 2 XR)
       Class
               192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                     .Operators
        192/85R
                     ..Fluid pressure
        192/87.1
                      ...Multiple clutches
        192/87.14
                      ....Alternatively operative clutches
        192/87.15
                     .....Clutches coaxial with operators
        192/87.16
                     .....Common or interconnected operator(s)
2 241/36
                 (2 OR, 0 XR)
       Class
                241 : SOLID MATERIAL COMMINUTION OR DISINTEGRATION
        241/33
                      .With automatic control
        241/36
                      ..Of comminutor drive
                 (1 OR, 1 XR)
2 303/113.2
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        Class
        303/121
                      SPEED-CONTROLLED
        303/113.1
                      .Having a valve system responsive to a wheel
                          lock signal
        303/113.2
                      ..With traction control
  303/122.12
                (0 OR, 2 XR)
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
       Class
       303/121
                     SPEED-CONTROLLED
                     .With failure responsive means
       303/122
        303/122.09
                     ..Pressure failure
        303/122.12
                     ... Pump failure detection
2 303/71
                 (0 OR, 2 XR)
       Class
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
       303/50
                     MOTORMAN'S VALVES
       303/68
                      .Motor
       303/71
                      ..Fluid-pressure retracting
2 303/9.61
                 (0 OR, 2 XR)
       Class
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
       303/5
                     MULTIPLE FLUID-RECEIVING DEVICES
       303/6.01
                      .Multiple motors
       303/9.61
                      .. Separate and simultaneous control
  417/310
                 (0 OR, 2 XR)
       Class
               417 : PUMPS
       417/279
                     WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL
       417/307
                      .Pressure responsive relief or bypass valve
       417/310
                      . Rotary expansible chamber pump
2 417/38
                 (1 OR, 1 XR)
       Class
               417 : PUMPS
       417/1
                     CONDITION RESPONSIVE CONTROL OF PUMP DRIVE
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10826378_CLSTITLES MOTOR

)

		417/36 417/38		Responsive to accumulation of pumped liquid in receiverBy liquid pressure sensor
	2	474/10	/ -	OR A VR
	2	474/18 Class		OR, 1 XR) : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS
		474/8		PULLEY WITH BELT-RECEIVING GROOVE FORMED BY DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC.
		474/17		.Load responsive
		474/18		With actuator driven by electrical or fluid motor
	2	475/123	(0	OR. 2 XR)
				: PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
		475/31		FLUID DRIVE OR CONTROL OF PLANETARY GEARING
		475/116 475/118		.Fluid controlled mechanical clutch or brake
		475/121		Speed responsive controlRatio change
		475/122		Speed responsive valve control
		475/123		Electrical control
	2	475/127	(2	OR. 0 XR)
		Class	475	: PLANETARY GEAR TRANSMISSION SYSTEMS OR
		455 /25		COMPONENTS
				FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Fluid controlled mechanical clutch or brake
		475/127		Pressure regulation
	2	475 /122	10	OD O WD)
	2	475/132 Class		OR, 2 XR) : PLANETARY GEAR TRANSMISSION SYSTEMS OR
		475/31		COMPONENTS FLUID DRIVE OR CONTROL OF PLANETARY GEARING
		475/116		.Fluid controlled mechanical clutch or brake
		475/131		Manually actuated ratio selector
		475/132		Electrical
	2	475/60		OR, 2 XR)
		Class	475	: PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
		475/31		FLUID DRIVE OR CONTROL OF PLANETARY GEARING
		475/59		.Impeller-turbine type fluid circuit in series
		475/60		with planetary gearing
		4/5/60		And condition responsive control
	2	475/61	(0	OR, 2 XR)
		Class	475	The second of th
		475/31		COMPONENTS FLUID DRIVE OR CONTROL OF PLANETARY GEARING
		475/59		.Impeller-turbine type fluid circuit in series
		475 / 60		with planetary gearing
		475/60 475/61		And condition responsive control Control of or by fluid circuit
٠	_			
	2	475/65	(1	OR, 1 XR)

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	Class	475	10826378_CLSTITLES : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
	475/31 475/59		FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Impeller-turbine type fluid circuit in series
	475/60 475/61		with planetary gearingAnd condition responsive controlControl of or by fluid circuit
	475/64 475/65		Fluid circuit controlledBy lock-up clutch actuation
2	477/107 Class		
	477/34 477/107		INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Engine controlled by transmission
2	477/114 Class	(2 477	OR, 0 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
	477/34 477/114		TRANSMISSION CONTROL .Anticreep
2	477/116 Class		OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
,			TRANSMISSION CONTROL .Transmission controlled by engine
2	477/117 Class		OR, 2 XR) : INTERRELATED POWER DELIVERY CONTROLS,
	477/34		INCLUDING ENGINE CONTROL TRANSMISSION CONTROL
	477/115 477/116 477/117		<pre>.Transmission controlled by engineShift from neutral shock controlPressure controlled</pre>
2	477/123 Class		: INTERRELATED POWER DELIVERY CONTROLS,
	477/34 477/115		INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine
	477/121 477/123		By input manifold pressure or engine fuel controlWith positive shift means
2	477/126 Class	(1 477	OR, 1 XR)
	477/34	477	INCLUDING ENGINE CONTROL TRANSMISSION CONTROL
	477/115 477/121		<pre>.Transmission controlled by engineBy input manifold pressure or engine fuel control</pre>
	477/125 477/126		Prevents unsafe or unintentional shiftReverse inhibitor
2	477/129 Class	(1 477	
			INCLUDING ENGINE CONTROL Page 8

10826378 CLSTITLES 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine .. By input manifold pressure or engine fuel 477/121 control 477/127 ... Shift valve control 477/128Hysteresis 477/129Electric control 2 477/133 (2 OR, 0 XR) Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/127 ...Shift valve control 477/130Plural shift valves 477/131Electric control 477/132Downshift control 477/133Kickdown 2 477/152 (1 OR, 1 XR) Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/143 ...Servo motor timing 477/150With fluid accumulator 477/152Electric valve control 2 477/36 (0 OR, 2 XR) 477 : INTERRELATED POWER DELIVERY CONTROLS, Class INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/36 .Plural outputs 2 477/62 (1 OR, 1 XR) 477 : INTERRELATED POWER DELIVERY CONTROLS, Class INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/52 .Including fluid drive 477/53 .. Impeller-turbine-type 477/62 ...With clutch control 2 477/98 (1 OR, 1 XR) Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/97 .Control by sensed ambient condition, pattern indicia, external signal, or temperature 477/98 ..Temperature control 2 477/99 (2 OR, 0 XR) 477 : INTERRELATED POWER DELIVERY CONTROLS, Class INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/99 .Engine starting interlock

2	701/65	(1 OR, 1 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR
		INDICATION
	701/51	.Transmission control
	701/65	Responsive to road, external, or ambient
		condition
2	701/66	(0 OR, 2 XR)
2	•	(0 OR, 2 XR) 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	•	
2	•	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
2	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR
2	Class 701/1	701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION